

MEETING MINUTES, FORMER NANSEMOND ORDNANCE DEPOT (FNOD) RESTORATION ADVISORY BOARD

To: Restoration Advisory Board members, interested parties
From: Kirk Stevens, U.S. Army Corps Project Manager and RAB Co-chair
Re: Minutes of June 6, 2000 RAB meeting

RAB Members Present: Mr. Kirk Stevens Mr. Dave Taylor Mr. Ed Wallingford Mr. David Saunders Mr. James H. Bennett Ms. Bea Rogers Mr. Timothy Fink Mr. Rob Thomson Mr. Dave Grimes RAB Members Absent: Mr. Stephen Hill Mr. Bruce Johnson Mr. Thomas O'Grady Ms. Cherie Walton	Affiliation: USACE Suffolk Fire Department VDOT Citizen Dominion Lands RAB Co-Chair TCC EPA VA DEQ GE Citizen City of Suffolk Reactivities Management Corporation
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7:00 PM Introduction and Welcome/Call to Order (*Sandra Chaloux, CEC, Inc.*)
The meeting was called to order and RAB members and guests introduced themselves. There were no corrections to the meeting minutes from the last RAB meeting.

7:05 PM New Business/Special Issue (*RAB Members*)
The latest special issue to discuss was new RAB members. Seven RAB applications have been received. Sandra proposed sending the applications to the board so they could be reviewed and acted on at the next meeting.

7:15 PM Project and Army Corps Update - (*Kirk Stevens, USACE*)

UXO Anomaly Removal

Kirk presented a map of the FNOD. The first area of concern Kirk presented was the original TNT removal area. The Corps submitted the sampling analysis plan to the regulatory folks and it is currently under review. They will be out in the field by the fall of 2000.

A 'mag and flag' operation has been underway in the Dominion Lands Property. The UXB (Corps contractor) ordnance team is going out to the

property, and wherever they find a metal anomaly they will put a flag down. Another team will come out after them to the flagged areas and excavate the anomaly. They will then address it as either scrap metal or ordnance scrap. The team has found a couple of large items so far, such as ruptured 40 mm's and a ruptured 75 mm, which were found near the surface in the Main Burning Ground area and on the Dominion Lands Property. The report for this effort was scheduled to come out on June 9, but will now be delayed a few extra days.

Kirk addressed the E410, L11 and L12 areas at the Former Nansemond Ordnance Depot, which caught fire in the late 1920's or early 1930's. Through an agreement with the EPA, the Corps will be doing some removal actions in these areas. Geophysical work for E410 has been completed and is being reviewed by the Huntsville Center of Expertise for Ordnance and SAIC. A report should be available by the end of next week noting the location coordinates of the ordnance. They have found over 540 single anomalies to be excavated, of which 400 are to be classified as trash from the roadway.

Update on NPL Source Areas – James River Beachfront

Kirk reviewed the Corps' plans for the James River Beachfront, which was used as a disposal area between 1917 and 1960. The debris found at this site has included train parts, ordnance, rolled-up fence, and burn-related items. The Corps is planning to remove all the debris from the mean-low water up to the bluff. At that point, geophysical work will be performed to be sure that all debris has been removed. They will lay rip-rap down to prevent any further erosion.

Before this work can occur, the Corps is facing some issues with the Phase I/Phase II Archeological Plan. They will have to go out and dig just under the soil to see if any historical artifacts or ruins are located at the site, which is an Indian burial ground. Kirk anticipates removal action beginning in the Fall 2000 to avoid nor'easter and hurricane season. After the information comes back from the Phase I/Phase II Plan, the Corps will have to sit down with the State, the Nansemond tribe, and property owners and talk about what will be done with the artifacts.

Update on NPL Source Areas – Main Burning Ground/Pond

The Corps has received a draft report last month regarding the Main Burning Ground and Horseshoe Pond area remedial investigation. They expect to get the final report to the regulators in August. The report will be available for the public to see at that time.

Institutional Controls

The Corps expects a contract awarded by the end of this month to assist them with the institutional controls for the site. They plan to bring all the

stakeholders together again to review ordnance institutional controls; training programs, and gather feedback.

Jim Bennett (Dominion Lands) noted that they have sold one tract of land that to Cisco. The second site they hope to close this month is Continental Properties, which is in the 'mag and flag' area. Construction is expected to begin on these new properties this summer. UXB (Corps contractor) will be on the site during the entire construction of these properties. Kirk requested that they call the Corps immediately if any ordnance or unusual debris are found.

The Corps is working on a programmatic agreement in regards to the historical aspects of the removal sites. When environmental work is going to be done out on the site, the agreement will detail what kind of coordination needs to be done with the State Historical Preservation Office. The Corps invites anyone that is affected by the project to be a part of the agreement. The draft of the programmatic agreement will be out by the end of the week.

Presentation by Greg Tracey, SAIC; Newport, RI

Greg described his company's involvement on the James River Beachfront. SAIC will go out and assess the offshore environmental impacts caused by potential chemical releases from the former depot. This process is an ecological risk assessment.

Greg noted that their purpose is to find out the long term and short term effects of chemical releases from the former depot on the natural resources. SAIC will analyze debris, metals, burn layers, and residual explosive chemicals to find out:

1. Where they are relative to the offshore environment
2. Where they may have gone to, and if there have been releases from the shoreline
3. Offshore environmental impact

He pointed out the shoreline erosion, which has been occurring since at least the 1940's, if not earlier. His hypothesis is that the offshore environment is coming onshore towards the debris area. SAIC is using a tool called a sub-bottom profiler, which is an acoustic device that can penetrate into the sediment to detect layers of deposition and erosion of offshore soil.

SAIC has reviewed 3 miles of shoreline in 3 survey areas: the I 664 Bridge, the old navy ordnance pier, and the Horseshoe Pond. Survey operations have taken place in each of these 3 areas taking measurements of sound from the sea floor. Most of the measurement sampling was

completed by the end of May, however they have yet to go back to do the sediment sampling.

Greg presented a geographic information system, called ArcView, which brings all the data together on top of each other so they can correlate what's going on. In Area 3 of the map he presented, he shared a significant surprise in the data, a large depression in an area offshore that's supposed to be completely flat. SAIC has detected some sediment layers that may be a part of runoff from the site. They are currently looking at some sampling from that area and from the depression to test for chemicals that are toxic to sea life. The draft report of all the data should be out in the fall.

He described a new technique SAIC is using to get a better idea of what is on the ocean floor, called SideScan. This method 'paints a picture' of the sea floor, acoustically. A SideScan mosaic image takes lots of digital data picked up from different elements of objects on the bottom of the ocean and puts them together to form one picture. The sub-bottom profiler creates the maps from these images.

(Kirk Stevens, USACE)

Kirk explained that the Corps has joined forces with VMAS – the Virginia Modeling and Simulation Center. With membership, this will allow the Corps the use of the facility, a student assistant to help build a project website, and audio-visual support for future RAB meetings to allow better presentation of data.

They are also working on the site screening process to get the contract awarded and the schedule underway. The site management plan is in the works and the Corps hopes to have it to the regulators by the end of the month.

Kirk announced that both he and Mike Klausmeier are leaving the Corps. Kirk will transfer to the Navy in July; Mike is moving to the private sector. During this time, Rich Muller will be the Corps transition person for this project until a new person is hired.

8:45 PM

Establish Action Items/Set Agenda & Date for Next RAB Meeting

The next RAB meeting was set for August 1, 2000. The agenda items for the next RAB meeting include:

- New RAB Members
- Details of James River Beachfront removal
- Institutional Controls
- Status of E410, L11 and L12

9:00 PM

Meeting Adjourned

Guests Present:	Affiliation:
Mr. Harry Wheeler	Gannett Fleming
Mr. Steve Cline	GE
Mr. Richard Muller	USACE
Mr. Pat Genzler	VCCS
Mr. Paul Fisher	City of Suffolk
Mr. Ed Dullagham	URS Corporation
Mr. Dennis Batts	Micropact
Mr. Rich Miller	Micropact
Mr. Scott Bailey	CH2M Hill
Mr. Tony Gruber	AH Environmental
Mr. Gary Colvin	Parks & Rec of Suffolk
Mr. Joe Ferris	AH Environmental Consultants
Mr. Scott Emry	HRPDC
Mr. Darrell Hollowell	HydroGeologic, Inc.
Ms. Jan Kool	HydroGeologic, Inc.
Mr. Fred Bright	Nansemond Indian Tribe
Mr. Fred Slade	Citizen
Mr. Marc Randrianarivelo	USACE Baltimore
Mr. John Brzezinski	USACE Baltimore
Mr. Ray Livermore	USACE Baltimore
Mr. Greg Tracey	SAIC
Mr. Brian Andrews	SAIC